

**IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF DELAWARE**

TQ DELTA, LLC, v. 	Plaintiff, 	Civil Action No. 13-cv-1836-RGA
ZHONE TECHNOLOGIES, INC. Defendant.		
TQ DELTA, LLC, v. 	Plaintiff, 	Civil Action No. 13-cv-2013-RGA
ZYXEL COMMUNICATIONS, INC. and ZYXEL COMMUNICATIONS CORPORATION, 	Defendants.	
TQ DELTA, LLC, v. 	Plaintiff, 	Civil Action No. 14-cv-954-RGA
ADTRAN, INC. Defendant.		
ADTRAN, INC, v. 	Plaintiff, 	Civil Action No. 15-cv-121-RGA
TQ DELTA, LLC. 	Defendant.	

**FAMILY 7 PATENTS JOINT CLAIM CONSTRUCTION CHART**

Pursuant to ¶ 9 of the Court's Third and Final Scheduling Order, dated April 10, 2017, Plaintiff TQ Delta, LLC and Defendants in the above-captioned cases submit their Joint Claim Construction Chart ("Chart") for the Family 7 Patents (U.S. Patent Nos. 6,445,730 ("the '730 patent"), 7,978,753 ("the '753 patent"), 8,437,382 ("the '382 patent"), and 8,611,404 ("the '404 patent").<sup>1</sup> The Chart attached as Exhibit A includes the parties' respective proposed constructions of the disputed language of the asserted claims of the Family 7 Patents. The Chart

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<sup>1</sup> None of the Family 7 Patents are asserted against 2Wire LLC. Further, the '404 patent is asserted only against ADTRAN Inc.

includes citations to the parties' intrinsic evidence in support of such constructions. The parties reserve their rights to amend and/or supplement their disclosures.

In addition to the Joint Claim Construction Chart attached as Exhibit A, copies of the Family 7 Patents and U.S. Provisional Application No. 60/072,447 are attached as Exhibits B – F:

<b>Exhibit</b>	<b>Description</b>
B	730 Patent
C	753 Patent
D	382 Patent
E	404 Patent
F	447 Provisional Application

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